

## ABSTRACT OF THE DISCLOSURE

A gas-mixing device includes a store tank, a mixing chamber provided in the store tank, an air intake tube provided in the mixing chamber and having an intake, and an outlet tube connected with the mixing chamber. Properly pressured air is 5 pumped through the air intake tube in the store tank to add pressure and vaporize liquid fuel oil in the store tank. Vaporized fuel oil is sent to a nozzle through the fuel oil outlet tube. An air outlet valve is provided in the store tank for pressured air therein to flow through into the nozzle, wherein vaporized fuel oil is mixed 10 with pressured air and further intensely vaporized to produce further vaporizing and pressure-adding function for use in a burning appliance and installation.